

SANGEAN

A WORLD OF LISTENING

DDR-3

FM RDS/DAB digital radio

Operating instruction **GB**



WARNING:
TO PREVENT FIRE OR ELECTRIC SHOCK HAZARD, DO
NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE.



THE LIGHTNING FLASH AND
ARROW- HEAD WITHIN THE
TRIANGLE IS A WARNING SIGN
ALERTING YOU OF
"DANGEROUS VOLTAGE"
INSIDE THE RADIO.

CAUTION

**RISK OF ELECTRIC
SHOCK DO NOT OPEN**

CAUTION: TO REDUCE THE RISK OF
ELECTRIC SHOCK, DO NOT REMOVE
THE BACK, NO USER SERVICEABLE
PARTS INSIDE. REFER SERVICING TO
QUALIFIED SERVICE PERSONNEL.



THE EXCLAMATION POINT
WITHIN THE TRIANGLE IS A
WARNING SIGN ALERTING
YOU OF IMPORTANT
INSTRUCTIONS ACCOMPANYING
THIS RADIO.



Please read this manual before use

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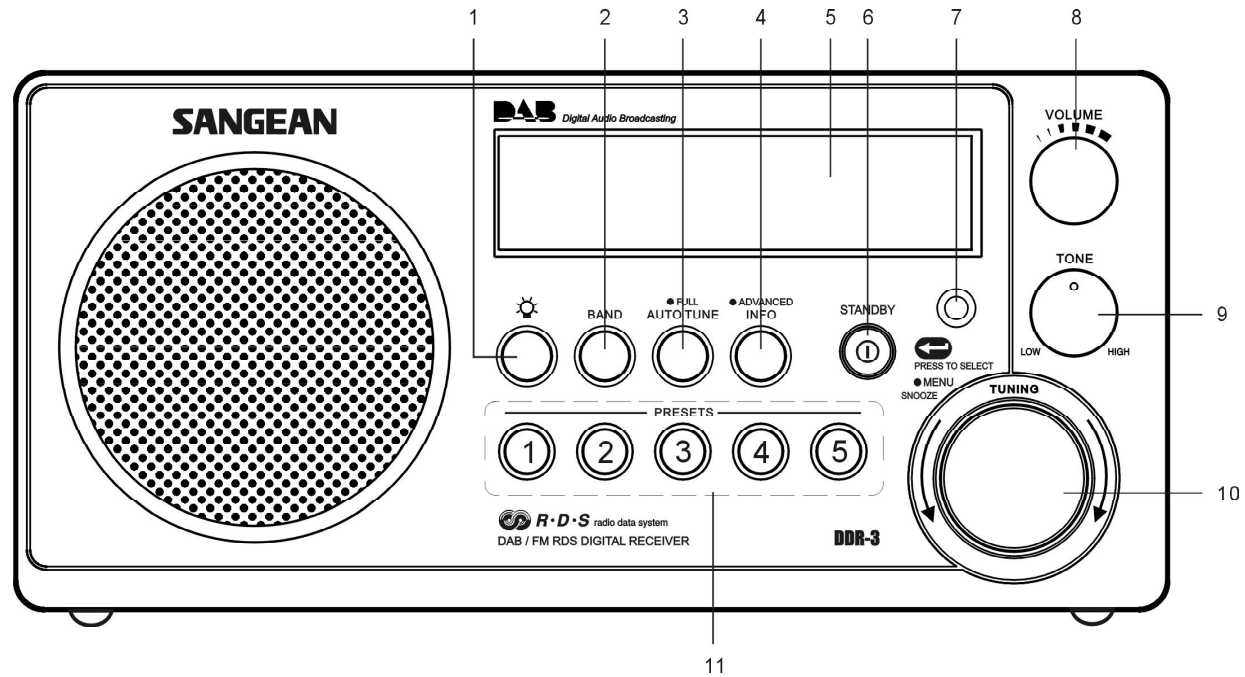
IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. To Reduce the Risk of Fire or Electric Shock, Do not Expose This Appliance To Rain or Moisture.
16. The Shock Hazard Marking and Associated Graphical Symbol is provided on the bottom panel of unit.
17. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, shall not be placed on the apparatus.

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Controls

(Front)

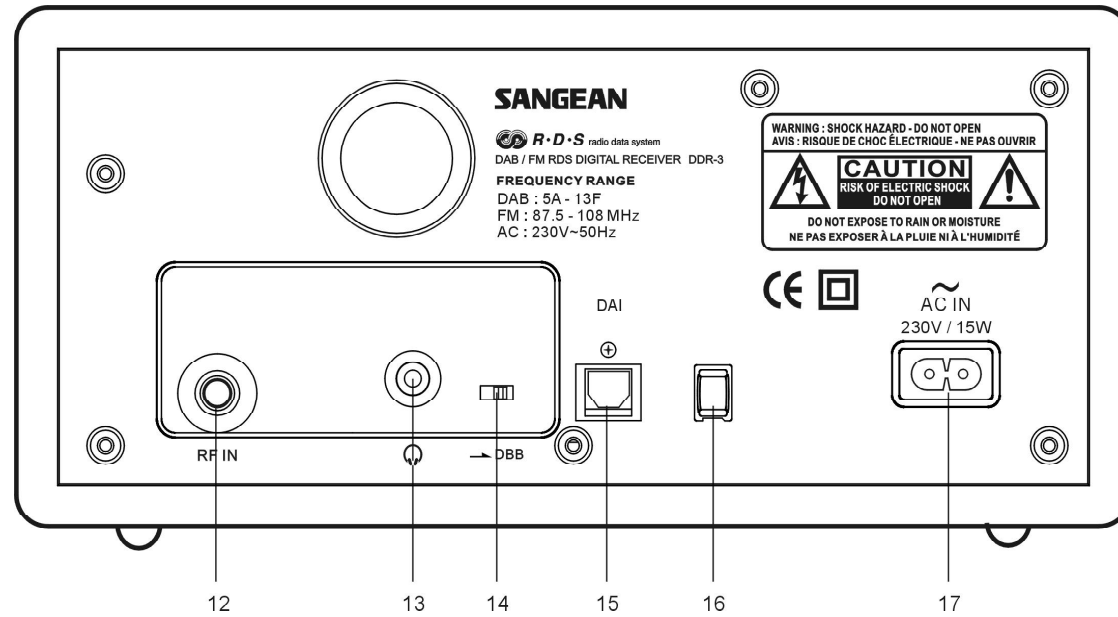


1. Light button
2. Band button
3. Auto tune button
4. Advanced INFO
5. LCD display
6. StandBy indicator

7. Infra Red sensor
8. Volume control
9. Tone control
10. Tuning control/Snooze
11. Preset buttons

Controls

(Rear)



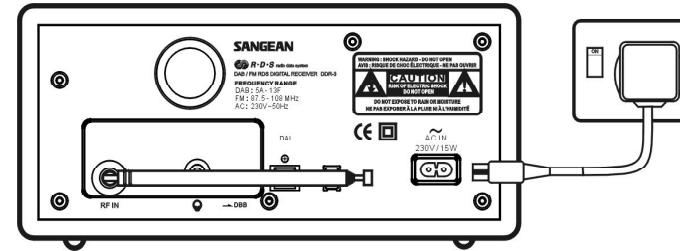
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- 12. Telescopic aerial
- 13. Headphone socket
- 14. Deep bass boost switch

- 15. Optical output socket (Toslink)
- 16. Telescopic aerial holder
- 17. Mains input socket

Mains operation

1. Place your radio on a flat surface.
2. Plug the mains lead into the **Socket** located on the rear of your radio ensuring that the plug is pushed fully into the socket.
3. Plug the other end of the mains lead into a wall socket and switch on the wall socket.



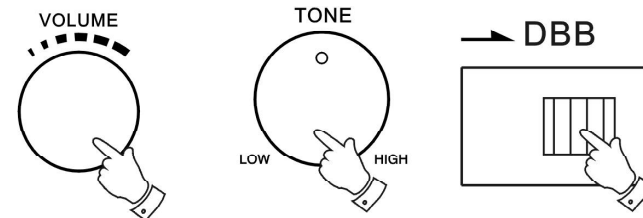
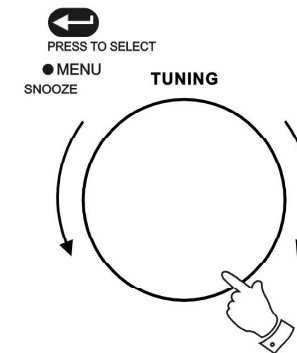
-



Selecting a station - DAB

1. The top line of the display shows the name of the station currently selected.
2. Rotate the **Tuning control** to scroll through the list of available stations. Stop rotating the Tuning control when you find the station that you wish to hear.
3. Press and release the **Tuning control** to select the station. The display may show "Tuning" while your radio finds the new station.
4. Adjust the **Volume, Tone and Deep bass boost switch** to the required settings.

Note: If after selecting a station the display continues to show "Not Available" it may be necessary to relocate your radio to a position giving better reception.



Secondary services - DAB

- 1. Certain radio stations have one or more secondary services associated with them. If a station has a secondary service associated with it the display will show ">" next to the station name on the station list. The secondary service will then appear immediately after the primary service as you rotate the tuning control clockwise.



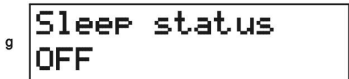
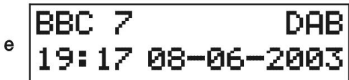
Display modes - DAB

Your radio has five display modes:-

- 1. Press the **Advanced INFO** to cycle through the various modes.
 - a. Scrolling text Displays scrolling text messages such as artist/track name, phone in number, etc.
 - b. Programme type Displays type of station being listened to e.g. Pop, Classic, News, etc.
 - c. Multiplex Name Displays name of multiplex to which current station belongs.
 - d. Signal strength Displays signal strength for station being listened to.
 - e. Time and date Displays current time and date.
 - f. alarm status Displays alarm on/off and also alarm type (radio/beep)
 - g. sleep status Display auto shut off on/off and select auto shut off time



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1

- ADVANCED
INFO



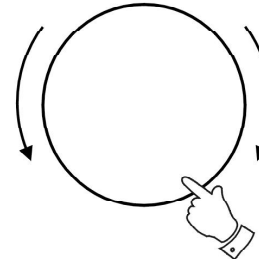

 24
 BBC National DAB

● ADVANCED INFO



As an alternative to pressing the tuning control to select a station your radio can be set so as to automatically select a station.

- 
 PRESS TO SELECT
 ● MENU
 SNOOZE



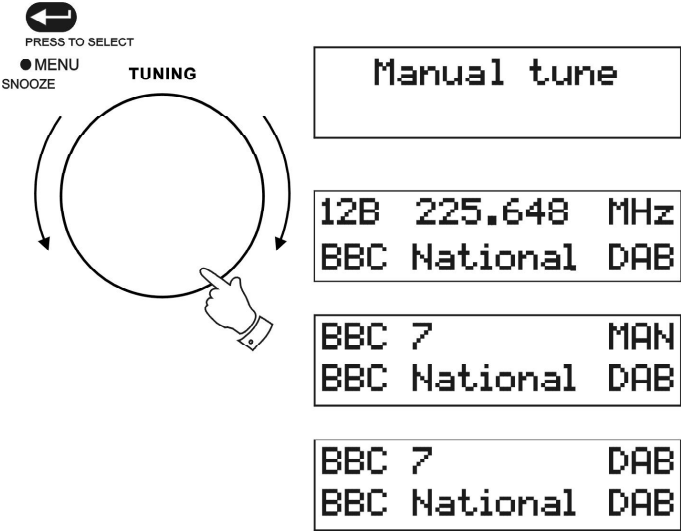
BBC 7	DAB
BBC National	DAB

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Manual Tuning - DAB

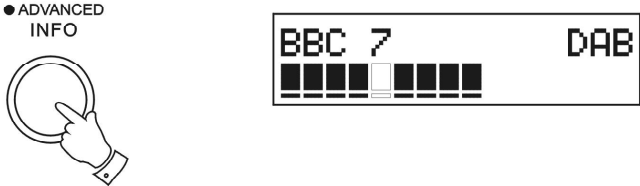
Manual tuning allows you to tune directly to the various DAB Band III channels.

1. Press and hold in the Tuning **control** until the display shows "Manual tune".
2. Rotate the **Tuning control** to select the required DAB channel.
3. Press and release the **Tuning control** to select the channel.
4. Rotate the **Tuning control** to select the stations contained within the Multiplex for the selected DAB channel.
5. Press and release the **Tuning control** to return to normal tuning mode.



Signal strength display - DAB

1. Repeatedly press and release the **Advanced INFO** until the lower line of the display shows signal strength.
2. Position your radio and angle the telescopic aerial for best reception using the signal strength display as a guide. Move your radio around and position so as to give maximum number of black rectangles on signal strength display.
3. The clear unfilled rectangle indicates minimum signal level required for satisfactory reception.



Operating your radio - FM

1. Fully extend the telescopic aerial.
2. Press the **Standby button** to switch on your radio. The display will show "DAB digital radio" for a few seconds.
3. Press the **Band button** to select the FM band.
4. Press and immediately release the **Auto Tune button**, your radio will scan in an upwards direction (low frequency to high frequency) and stop automatically when it finds a station of sufficient strength.
5. After a few seconds the display will update and show station name.
6. To find other stations press and release the **AutoTune button** as before.
7. To scan the FM band in a downwards direction (high frequency to low frequency) press and hold down the **AutoTune button** for 0.5 seconds and then release.
8. When the waveband end is reached your radio will recommence tuning from the opposite waveband end.
9. Adjust the **Volume, Tone and Deep bass boost switch** to the required settings.
10. To switch off your radio press the **Standby button**.

STANDBY



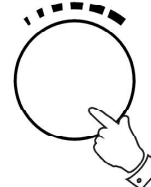
● FULL
AUTO TUNE



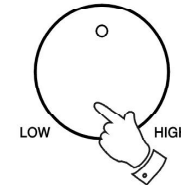
BAND



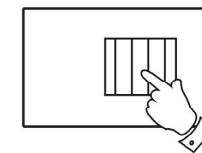
VOLUME



STONE



→ DBB

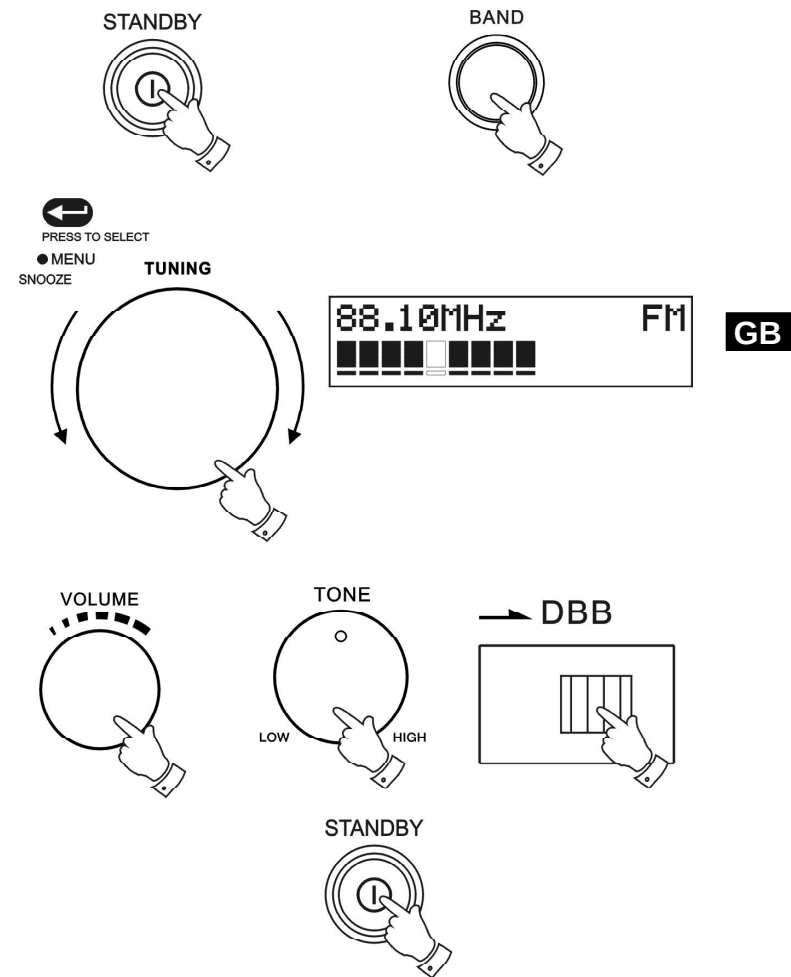


STANDBY



Manual tuning - FM

1. Press the **Standby button** to switch on your radio.
2. Press the **Band button** to select the FM band. Fully extend the **Telescopic aerial** .
3. Rotate the **Tuning control** to tune to a station. The frequency will change in steps of 50kHz.
4. When the waveband end is reached the radio will recommence tuning from the opposite waveband end.
5. Set the **Volume, Tone and Deep bass boost switch** to the desired settings.
6. To switch off your radio press the **Standby button**.



Display modes - FM

On FM the bottom line of the display can be set to any of the following modes:-

1. Press the **Advanced INFO** to cycle through the various modes.

- | | |
|--------------------|--|
| a. Scrolling text | Displays scrolling text messages such as artist/track name, phone in number etc. |
| b. Program Type | Displays type of station being listened to e.g. Pop, Classic, News, etc. |
| c. Signal strength | Displays signal strength for station being listened to. |
| d. Time and date | Displays current time and date. |
| e. Frequency | Displays frequency of the station being listened to. |
| f. Audio mode | Display shows Auto (stereo) or mono. |

● ADVANCED
INFO



a

BBC R2 FM
The latest news

b

BBC R2 FM
Pop Music

c

BBC R2 FM
■■■■■

d

BBC R2 FM
88.10MHz

e

BBC R2 FM
12:02 16-06-2003

f

BBC R2 FM
Auto (Stereo)

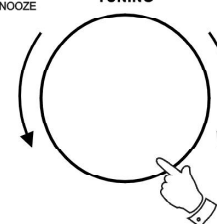
FM Stereo/Mono

1. If a station being received is weak some hiss may be audible. To reduce the hiss press and hold in the **Tuning control** until the display shows "Audio mode : mono" your radio will switch to mono mode.
2. To return to stereo mode press and hold in the **Tuning control** until the display shows "Audio mode :Auto", your radio will switch to stereo mode.

Note: FM stereo is only available when using earphone/headphones

←
PRESS TO SELECT
● MENU
SNOOZE

TUNING



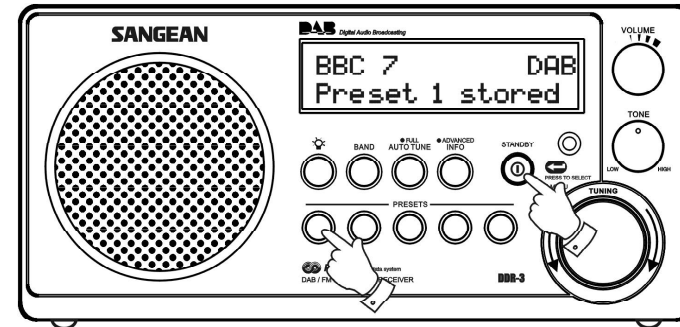
Audio mode: Mono

Audio mode: Auto

Presetting stations - DAB and FM

There are 5 memory presets for each of the 2 wavebands.

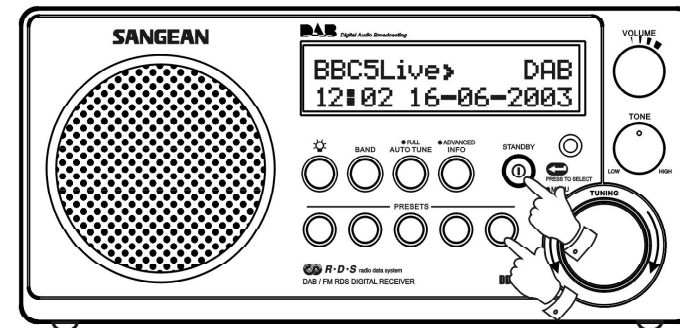
1. Press the **Standby button** switch on the radio.
2. Tune to the required station as previously described.
3. Press and hold down the required **Preset button** until the display shows e.g. "Preset 1 stored". The station will be stored under the chosen preset button. Repeat this procedure for the remaining presets.
4. Stations stored in preset memories may be overwritten by following the above procedure.



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Recalling a preset station - DAB and FM

1. Press the **Standby button** to switch on the radio.
2. Select the required waveband by pressing the **Band** button.
3. Momentarily press the required **Preset button**, your radio will tune to the station stored in preset memory.



Setting the alarm

When the radio is on/standby, repeatedly press and release the Advanced INFO button until the lower line of the display shows alarm status. Press Tuning Control button to select Alarm Status on/off. During Alarm Status in ON status, display will auto switch to alarm time setting. The minute will start to flash, rotary the tuning control knob to select required minute then press and release the tuning button again, the hour will start to flash, rotary the tuning control knob to select required hour, then press and release the tuning button again to finalize alarm time setting. Display will show Alarm Status ON  after completing the alarm settings.

Select alarm by radio or beep

During Alarm Status ON, rotary the tuning control knob to select Alarm type (Radio or Beep) pressing and releasing the tuning control knob to change alarm type.

Stop the alarm

When alarm is active, press the Standby button to stop the alarm (radio and buzzer).

Snooze

To interrupt the alarm signal (radio or beep), press Tuning Control button. The alarm stops and begins again with interval of 5 minutes. The alarm will continue for an hour (radio, 30 minutes for Beep) if not being interrupted. Display will show  during Snooze status.

Canceling the alarm

Same procedures of setting the alarm, press and release Tuning Control button to switch the alarm off.

System reset

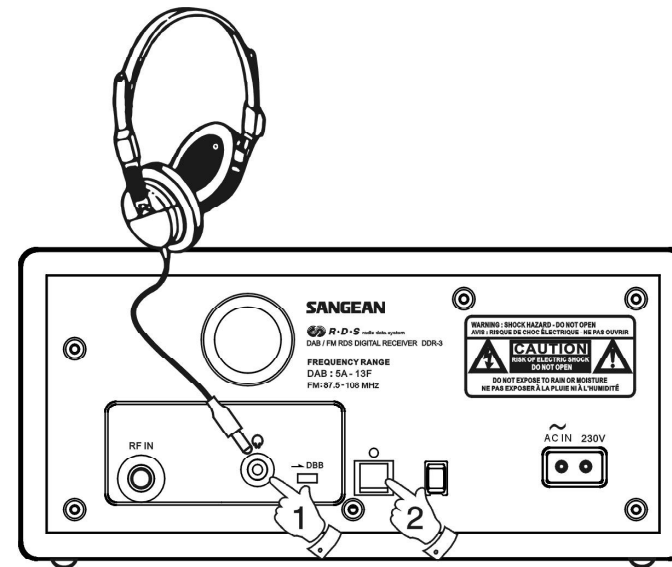
If your radio fails to operate correctly, or some digits on the display are missing or incomplete, carry out the following procedures.

1. Switch on your radio.
2. Continuously press Advanced INFO button until display lower part shows "Customer.....", press and release Advanced INFO button until display lower part shows System Reset.

Press and release Tuning Control knob, the radio will be reset and quick scan 10A-12D for services and stop at the first service found. The RESET will clear all the previous memory presets and settings.

Headphone and optical output sockets

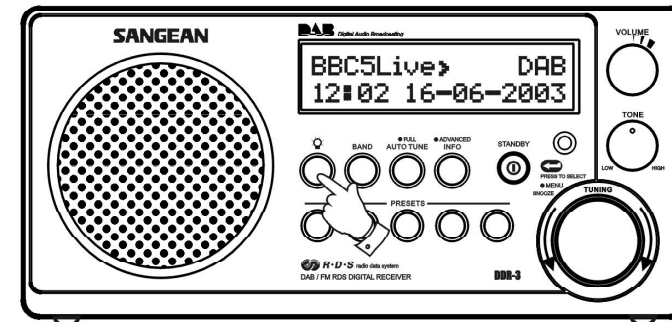
1. A 3.5mm **Headphone Socket** located on the rear of your radio is provided for use with either headphones or an earpiece. Inserting a plug automatically mutes the internal loudspeaker.
2. A digital optical output socket is provided on the rear of your radio for connection to a an amplifier, mini-disc or other equipment with a digital optical input.



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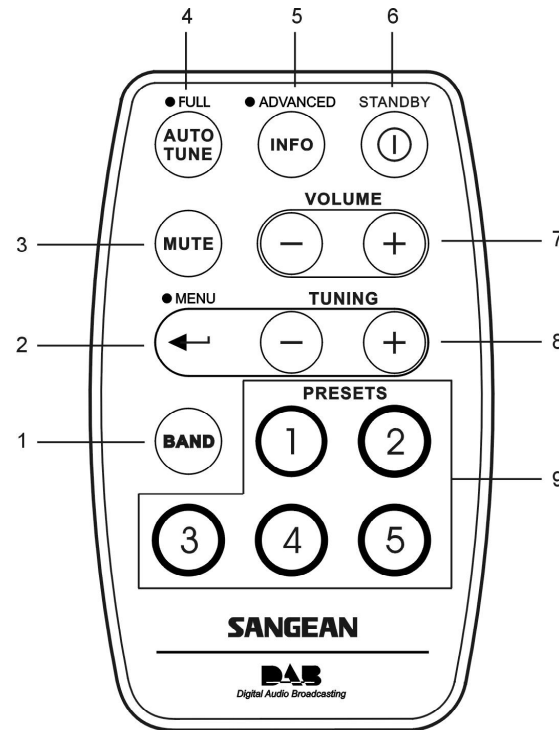
Display backlight

The display can be switched on and off with brightness control in 8 steps by repeatedly pressing the **LIGHT button**.



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Remote control

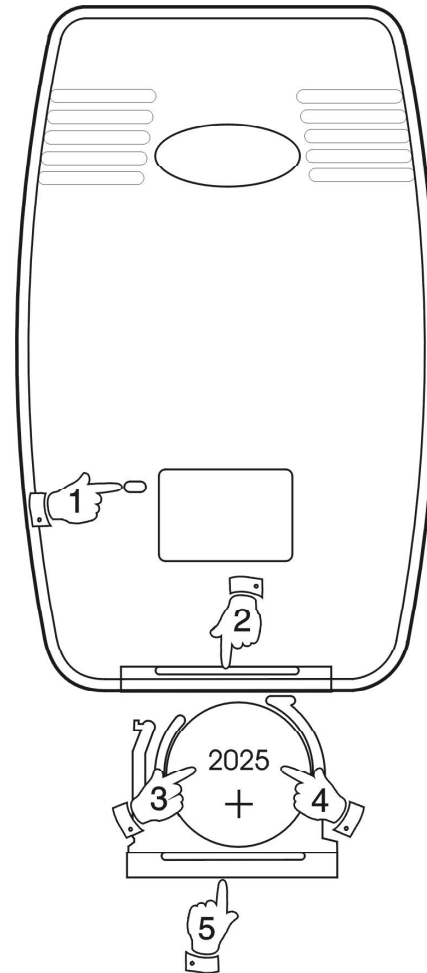


1. Band button
2. Select button
3. Mute button
4. Auto tune button
5. Info button
6. StandBy button

7. Volume up/down buttons
8. Tuning up/down buttons
9. Preset buttons

Remote handset battery replacement

1. With the aid of the end of a paper clip slide catch in direction shown.
2. Remove battery holder by pushing holder in direction shown.
3. Remove battery from holder.
4. Replace battery (2025 or equivalent) ensuring that positive side of battery faces you with holder positioned as shown.
5. Replace the battery holder.

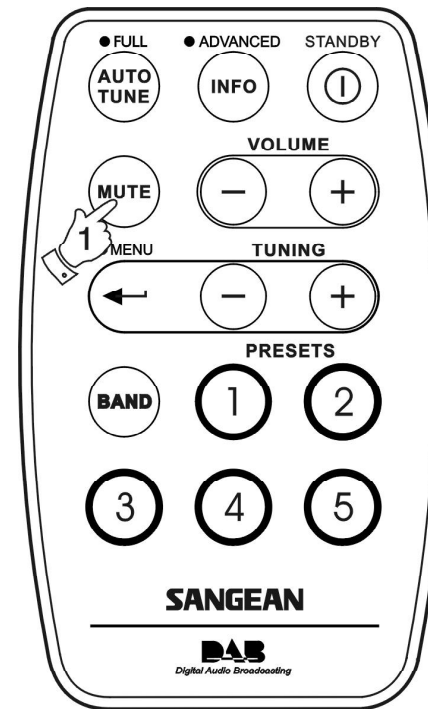


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Using the remote control

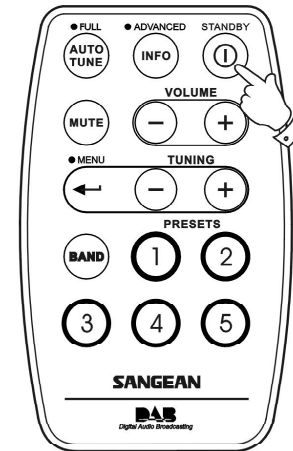
The buttons on the remote control have the same functions as front panel controls with two exceptions:-

1. Mute - press this button to mute sound, press again to restore sound.

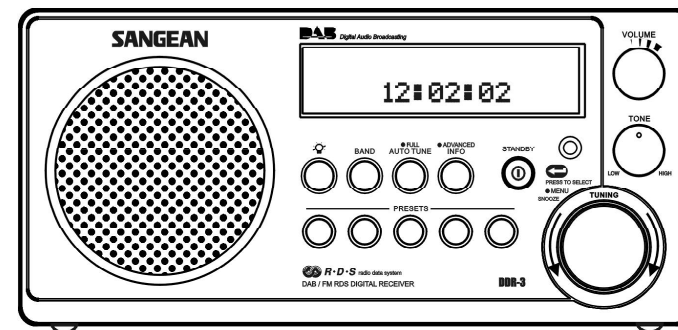


Clock display

1. Your radio will display clock time when in set to StandBy mode.
2. During StandBy mode the clock will receive updates from the last station tuned to before entering standby mode.
When in StandBy mode your radios clock will automatically track Summer\Winter time changes.

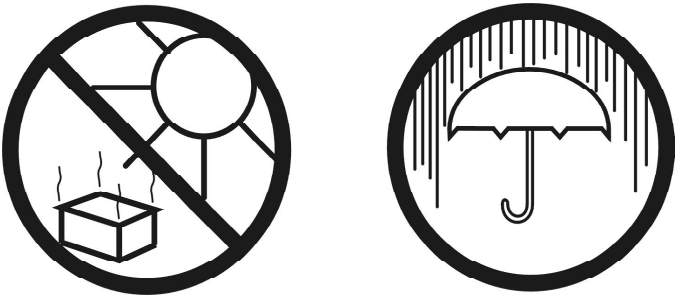


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General

Do not allow this radio to be exposed to water, steam or sand. Do not leave your radio where excessive heat could cause damage. It is recommended that the DAB band be used wherever possible as better results in terms of quality and freedom from interference will usually be obtained than on the FM band.



Specifications

Power Requirements

Mains	AC 230 volts, 50Hz  only
Battery (Remote control)	3.0V 2025 button type

Frequency Coverage

FM	87.5-108MHz
DAB	174.928 - 239.200MHz

Circuit Features

Loudspeaker	75mm 8ohms
Output Power	3 Watts
Headphone socket	3.5mm dia
Aerial System	FM Telescopic aerial
	DAB Telescopic aerial

Mains supply

The DDR-3 will operate from a supply of AC 230 volts, 50Hz  only.

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or adaptor. If in doubt consult your dealer.

If nonetheless the mains plug is cut off, remove the fuse and dispose of the plug immediately to avoid a possible shock hazard by inadvertent connection to the mains supply.

If this product is not supplied with a mains plug, or one has to be fitted, then follow the instructions given below:

IMPORTANT. DO NOT make any connection to the larger terminal which is marked with the letter E or by the safety earth symbol  or coloured Green or Green-and-yellow.

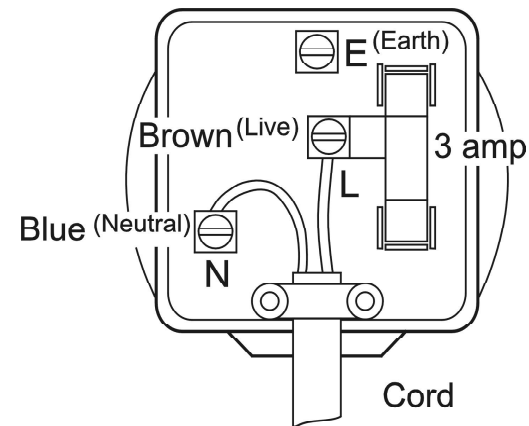
The wires in the mains lead are coloured in accordance with the following codes :-

BLUE - NEUTRAL

BROWN - LIVE

The wire coloured BLUE must be connected to the terminal marked N or coloured BLACK.

The wire coloured BROWN must be connected to the terminal marked L or coloured RED.



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Fuse

When replacing the fuse only a 3A ASTA approved to BS1362 type should be used and be sure to re-fit the fuse cover.

IF IN DOUBT - CONSULT A QUALIFIED ELECTRICIAN.

